

Express Mail No. EV381772867US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION	DOCKET NO. HrdMgmtCIP SERIAL NO. 09/879,480
	APPLICANT (S) Jack C. Whittier, Barbi A. Riggs, Patrick D. Burns and George Seidel
	FILING DATE June 12, 2001 ART UNIT 1634

I.

U.S. PATENT DOCUMENTS

DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

II.

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

III.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

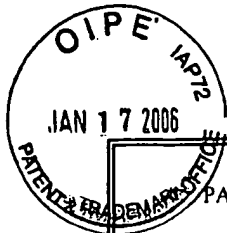
Ch	Ginther, O.J. 1992. In: "Reproductive Biology of the Mare." (2 nd Ed.) Equineservices, Cross Plains, WI., pp. 75-104, 112-125, 158-172, 233-290, 333-344, 457-498.
I	Amann, R.P. et al, 1982 "Prospects For Sexing Mammalian Sperm," Colorado Associated University Press, Animal Reproduction Laboratory College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Ft. Collins CO, 80523, pp. 253-285
I	Pickett B.W., et al., 1989 "A Management of the Mare for Maximum Reproductive Efficiency" Bulletin No. 6 Colorado State University, Ft. Collins CO. Chapter 7 "Artificial Insemination", pp. 73-83
I	Squires, E.L., "Procedures for Handling Frozen Equine Semen for Maximum Reproductive Efficiency", pp. 1, 39-41, 81-89
Ch	Sell, R. S.; Watt D. L.; Little, R. D.; and Petry, T. A. 1988 "Single-Calf Heifer Profitability Compared to Other North Dakota Beef Production Systems" Department of Ag. Eco., North Dakota State University, Ag. Econ. Rpt. No. 240.

EXAMINER

Carlo Myk

J. 27.06

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Express Mail No. EV 666039003 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO:	09/879,480
	FILING DATE:	12-Jun-01
	FIRST NAMED INVENTOR:	Jack C. Whittier
	ART UNIT:	1634
	EXAMINER NAME:	Carla J. Myers
	DOCKET NO:	HrdMgmtCIP

I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if	PATENTEE OR		Pages, Columns, Lines Where Relevant Passages
Ch	3,299,354	Hogg	12/17/1967	
	3,499,435	Rockwell et al.	3/10/1970	
	3,547,526	Devereux	12/15/1970	
	3,644,128	Lipner	2/22/1972	
	3,661,460	Elking et al.	5/9/1972	
	3,710,933	Fulwyler et al.	1/16/1973	
	3,761,941	Robertson	9/25/1973	
	3,810,010	Thom	5/7/1974	
	3,826,364	Bonner et al.	7/30/1974	
	3,833,796	Fetner et al.	11/3/1974	
	3,877,430	Wieder	4/15/1975	
	3,893,766	Hogg	7/8/1975	
	3,909,744	Wisner et al.	9/30/1975	
	3,947,093	Goshima et al.	3/30/1976	
	3,960,449	Carleton et al.	7/1/1976	
	3,963,606	Hogg	6/15/1976	
	3,973,003	Colas	8/3/1976	
	3,973,196	Hogg	8/3/1976	
	4,014,611	Simpson et al	3/29/1977	
	4,070,617	Kachel et al.	1/24/1978	
	4,162,282	Fulwyler et al.	7/24/1979	
	4,178,936	Newcomb	12/18/1979	
	4,179,218	Erdmann et al.	12/18/1979	
	4,200,802	Salzman et al.	4/29/1980	
	4,230,558	Fulwyler	10/28/1980	
	4,255,021	Brunsdon	3/10/1981	
	4,267,268	Nelson, Jr.	5/12/1981	
	4,274,408	Nimrod	6/23/1981	
	4,274,740	Eidenschink et al.	6/23/1981	
	4,302,166	Fulwyler et al.	11/24/1981	
	4,317,520	Lombardo et al.	3/2/1982	
	4,318,480	Lombardo et al.	3/9/1982	
	4,318,481	Lombardo et al.	3/9/1982	
	4,318,482	Barry et al.	3/9/1982	
	4,325,483	Lombardo et al.	4/20/1982	
Cr	4,327,177	Shrimpton	4/27/1982	

CM	4,341,471	Hogg et al.	7/27/1982	
	4,350,410	Minott	9/21/1982	
	4,352,558	Eisert, W.	10/5/1982	
	4,361,400	Gray et al.	11/30/1982	
	4,395,397	Shapiro	7/26/1983	
	4,395,676	Hollinger et al.	7/26/1983	
	4,400,764	Kenyon	8/23/1983	
	4,422,761	Frommer	12/27/1983	
	4,474,875	Shrimpton	10/2/1984	
	4,487,320	Auer	12/11/1984	
	4,515,274	Hollinger et al.	5/7/1985	
	4,523,809	Toboada et al.	6/18/1985	
	4,538,733	Hoffman	11/3/1985	
	4,559,309	Evenson	12/17/1985	
	4,598,408	O'Keefe	7/1/1986	
	4,600,302	Sage, Jr.	7/15/1986	
	4,605,558	Shrimpton	8/12/1986	
	4,631,483	Proni et al.	12/23/1986	
	4,637,691	Uehara et al.	1/20/1987	
	4,654,025	Cassou et al.	3/31/1987	
	4,673,288	Thomas et al.	6/16/1987	
	4,683,195	Mullis et al.	7/28/1987	
	4,683,202	Mullis	7/28/1987	
	4,691,829	Auer	9/8/1987	
	4,702,598	Böhmer	10/27/1987	
	4,714,680	Civin	12/22/1987	
	4,744,090	Freiberg	5/10/1988	
	4,756,427	Gohde. et al.	7/12/1988	
	4,758,729	Monnin	7/19/1988	
	4,764,013	Johnston	08/00/1988	
	4,780,451	Donaldson	10/15/1988	
	4,790,653	North, Jr.	12/13/1988	
	4,794,086	Kasper et al.	1/27/1988	
	4,818,103	Thomas et al.	4/4/1989	
	4,831,385	Archer et al.	5/16/1989	
	4,836,038	Baldwyn	6/6/1989	
	4,845,025	Lary et al.	7/4/1989	
	4,846,785	Cassou	7/11/1989	
	4,877,965	Dandliker, et al.	10/31/1989	
	4,942,305	Sommer	7/17/1990	
	4,959,354	Barbetti	9/25/1990	
	4,965,204	Civin	10/23/1990	
	4,979,093	Laine, et al.	12/18/1990	
	4,980,277	Junilla	12/25/1990	
	4,981,580	Auer	1/1/1991	
	4,983,038	Ohki et al.	1/8/1991	
	4,987,539	Moore et al.	1/22/1991	
	5,005,981	Schulte et al.	4/9/1991	
	5,007,732	Ohki et al.	4/16/1991	
	5,030,002	North, Jr.	7/9/1991	
	5,034,613	Denk et al.	7/23/1991	
✓	5,055,393	Kwoh et al.	10/8/1991	

C-1	5,079,959	Miyake et al.	1/14/1992	
	5,084,004	Ranoux	01/00/1992	
	5,088,816	Tomiooka et al.	2/18/1992	
	5,098,657	Blackford et al.	3/24/1992	
I	5,101,978	Marcus	4/7/1992	
	5,127,729	Oetliker et al.	7/7/1992	
	5,132,548	Borden et al.	7/21/1992	
	5,144,224	Larsen	9/1/1992	
	5,150,313	Van den Engh et al.	9/22/1992	
	5,159,397	Kosaka et al.	10/27/1992	
	5,159,403	Kosaka	10/27/1992	
	5,162,306	Donaldson	11/10/1992	
	5,167,926	Kimura et al.	12/1/1992	
	5,180,065	Touge et al.	1/19/1993	
	5,182,617	Yoneyama et al.	1/26/1993	
	5,195,979	Schinkel et al.	12/24/1991	
	5,199,576	Corio et al.	4/6/1993	
	5,215,376	Schulte et al.	6/1/1993	
	5,219,729	Hodgen	06/00/1993	
	5,247,339	Ogino	9/21/1993	
	5,259,593	Orme et al.	11/9/1993	
	5,260,764	Fukuda et al.	11/9/1993	
J	5,298,967	Wells	3/29/1994	
	5,315,122	Pinsky et al.	5/24/1994	
	5,359,907	Baker et al.	11/1/1994	
	5,366,888	Fry et al.	11/22/1994	
	5,367,474	Auer, et al.	11/22/1994	
	5,370,842	Miyazaki et al.	12/6/1994	
	5,412,466	Ogino	5/2/1995	
	5,437,987	Ten et al.	8/1/1995	
	5,447,842	Simons	9/5/1995	
	5,452,054	Dewa et al.	9/19/1995	
	5,461,145	Kudo et al.	10/24/1995	
	5,467,189	Kreikebaum et al.	11/14/1995	
	5,471,294	Ogino	11/28/1995	
	5,471,299	Kaye et al.	11/28/1995	
	5,480,774	Hew et al.	1/2/1996	
	5,494,795	Guerry et al.	2/27/1996	
	5,496,272	Chung et al.	3/5/1996	
	5,523,573	Hanninen, et al.	6/4/1996	
K	5,532,155	Ranoux	07/00/1996	
	5,558,998	Hammond et al.	9/24/1996	
	5,578,449	Fr asch et a.	11/26/1996	
	5,596,401	Kusuzawa	1/21/1997	
	5,601,235	Booker et al.	2/11/1997	
	5,601,533	Hancke et al.	2/11/1997	
	5,622,820	Rossi	4/11/1997	
	5,641,457	Vardanega	6/24/1997	
	5,643,796	Van Den Engh et al.	7/1/1997	
	5,650,847	Maltsev et al.	7/22/1997	

5,663,048	Winkfein et al.	9/2/1997
5,672,880	Kain	9/30/1997
5,675,401	Wangler et al.	10/7/1997
5,684,575	Steen	11/4/1997
5,687,727	Kraus et al.	11/18/1997
5,691,133	Critser et al.	11/25/1997
5,693,534	Alak et al.	12/00/1997
5,707,808	Roslaniec et al.	1/13/1998
5,708,868	Ishikawa, Masarori	1/13/1998
5,777,732	Hanninen et al.	4/7/1998
5,780,230	Li et al.	7/14/1998
5,786,560	Tatah et al.	7/28/1998
5,793,485	Gourley	8/11/1998
5,795,767	Lakowicz et al.	6/2/1998
5,796,112	Ichie	8/18/1998
5,804,436	Okun et al.	9/8/1998
5,815,262	Schrof et al.	8/29/1998
5,819,948	Van den Engh	10/13/1998
5,824,269	Kosaka et al.	10/20/1998
5,835,262	Iketaki et al.	11/10/1998
5,868,767	Farley et al.	2/9/1999
5,873,254	Arav	02/00/1999
5,876,942	Cheng et al.	3/2/1999
5,888,730	Gray et al.	3/30/1999
5,891,734	Gill et al.	04/00/1999
5,895,764	Sklar et al.	4/20/1999
5,895,922	Ho	4/20/1999
5,899,848	Haubrich	5/4/1999
5,912,257	Prasad et al.	6/15/1999
5,916,144	Prather et al.	6/29/1999
5,916,449	Ellwart et al.	6/29/1999
5,919,621	Brown	7/6/1999
5,985,538	Stachecju	11/00/1999
6,002,471	Quake	12/14/1999
6,050,935	Ranoux et al.	04/00/2000
6,087,352	Trout	7/11/2000
6,117,068	Gourley et al.	9/12/2000
6,119,465	Mullens et al.	9/19/2000
6,133,044	Van den Engh	10/17/2000
6,140,121	Ellington et al.	10/00/2000
6,149,867	Seidel et al.	11/21/2000
6,153,373	Benjamin et al.	11/28/2000
6,154,276	Mariella Jr.	11/28/2000
6,175,409	Nielsen et al.	1/16/2001
6,177,277	Soini	1/23/2001
6,238,920	Nagai et al.	5/29/2001
6,248,590	Malachowski	6/19/2001
6,263,745	Buchanan et al.	7/24/2001
6,283,920	Eberle et al.	09/00/2001
6,357,307	Buchanan et al.	03/1920/02
6,372,422	Seidel, et al.	4/16/2002

6,395,305	Buhr et al.	5/28/2002	
6,411,835	Modell et al.	6/25/2002	
6,463,314	Haruna	10/8/2002	
6,489,092	Benjamin et al.	12/3/2002	
6,524,860	Seidel et al.	2/25/2003	
6,528,802	Karsten et al.	3/4/2003	
6,534,308	Palsson et al.	3/18/2003	
6,537,829	Zarling et al.	3/25/2003	
6,577,387	Ross, III et al.	6/10/2003	
6,590,911	Spinelli et al.	7/8/2003	
6,604,435	Buchanan et al.	8/12/2003	
6,617,107	Dean	9/9/2003	
6,618,679	Loehrlein et al.	9/9/2003	
6,642,018	Koller et al.	11/4/2003	
6,667,830	Iketaki et al.	12/23/2003	
6,671,044	Ortyn et al.	12/30/2003	
6,673,095	Nordquist	1/6/2004	
6,704,313	De Resende, A. et al	4/6/1999	
6,782,768	Buchanan et al.	8/31/2004	
6,819,411	Sharpe et al.	11/16/2004	
2002/0113965 A1,	Roche et al.	8/22/2002	
2002/0119558 A1	Seidel et al.	8/29/2002	
2002/141902 A1	Asbury et al.	10/3/2002	
2002/186375 A1	Asbury et al.	12/12/2002	
2003/0129091 A1	Seidel et al.	1/10/2003	
2003/0157475 A1	Schenk	8/21/2003	
2003/0207461 A1	Bell et al.	11/6/2003	
2003/0209059 A1	Kawano	11/13/2003	
2003/098421 A1	Ho	11/27/2003	
2004/0005582 A1	Shipwast	1/8/2004	
2004/0031071 A1	Morris et al.	2/12/2004	
2004/0049801 A1	Seidel	3/11/2004	
2004/0053243 A1	Evans	3/18/2004	
2004/0055030 A1	Maxwell et al.	3/18/2004	
2004/0062685 A1	Norton et al.	4/1/2004	
2004/0096123 A1	Whittier et al.	7/25/2002	
2004/0132001 A1	Seidel et al.	7/8/2004	
2005/0003472 A1	Muhammad, A.	1/6/2005	
2005/0112541 A1	Durack, G.	5/26/2005	
2005/0214733 A1	Graham, J.A.	9/29/2005	

II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE mm- dd-yyyy	TRANSLATION Yes No	
GM	BR 9704313	Alves, E.	6/4/1999		
	DE 195 49 015 C1	GSF - Forschungszentrum	4/3/1997		
	EP 0781985A3	SIEMENS AKTIENGESELLSCH AFT	7/8/1998		
	DE 198 82 943.3	CSURF	2/1/2001		
	DE 69028526	USA represented by Secretary of US Dept. of Commerce, Washington DC US	2/6/1997		
	EP 0538786 A	Serra Piero	04/28/1993		
	EP 0025296A2	Ortho Diagnostic Systems, Inc.	03/18/1981		
	EP 0071538 A1	Cassou Robert	02/09/1983		
	EP 0160201A2	Becton Dickinson & Co.			
	EP 0189702 A1	Cassou Maurice	08/06/86		
	EP 0276166A2	Donaldson, Lloyd E.	7/27/1988		
	EP 0288029B1	Hitachi, LTD	04/20/1988		
	EP 0461618	Becton Dickinson	12/18/1991		
	EP 0468100A1	TOA Medical Electronics Co., LTD	1/29/1992		
	EP 0570102 A1	Ovamed Corporation	3/31/1993		
	EP 1403633 A3	Becton Dickinson and company	4/7/2004		
	EP 1250897 A1	Iberica de Reproduccion Asstida S.L.	10/23/2002		
	EP-A-0 366794	Terumo, K.K.	5/9/1990		
	EP-A-0 478155	Ovamed Corporation	1/28/1998		
	FR 2 647 668 A	Medizin Labortechnik Veb K.	12/7/1990		
	FR 2574656 A1	Cassou Robert et al.	6/20/1986		
	FR 2699678-A1	Union Stes Coop Agricoles	6/24/1994		
	FR-A-2 635453	Laboratoire Ingenor	2/23/1990		
	JP2024535	Canon, Inc.	1/26/1990		
	JP4126064 (A)	Nitto Shokia: K.K.	04/27/1992		
	JP4126065 (A)	Okonogi, Saburo	4/27/1992		
	JP4126066 (A)	P C C Technol: K.K.	4/27/1992		
	JP4126079 (A)	Diawa Kasei K.K.	4/27/1992		
	JP4126080 (A)	Udaka Juzo	4/27/1992		

CM	JP4126081 (A)	Technol KK	4/27/1992		
	JP61139747 (A)	Canon Inc.	6/27/1986		
	JP61159135 (A)	Canon, Inc.	7/18/1986		
	SU1056008	Stepanov Sergej, (USSR)	11/23/1983		
	SU1260778-A1	TSNI Rentgeno- Radiologicheskij Institute (USSR)	9/30/1986		
	WO 88/07198	Coulter Electronics, Inc.	9/22/1988		
	WO 90/13315 A1	CYTOGAM, INC	11/15/1990		
	WO 96/31764	ALFA LAVAL AGRI AB	10/10/1996		
	WO 98/48259	Fraun-Hofer- Gesellschaft Zur Forderung Derangewandten Forschung E.V.	10/29/1998		
	WO 99/44037 A1	Cytomation, Inc	9/2/1999		
	WO 01/37655 A1	XY INC.	5/31/2001		
	WO 01/40765 A2	XY INC.	6/7/2001		
	WO 01/51612 A1	Istituto Sperimentale Italiano "Lazzaro Spallanzani"	7/19/2001		
	WO 01/85913 A2	XY INC.	11/15/2001		
	WO 01/85913 A3	XY INC.	11/15/2001		
	WO 01/90295 A1	CYTOMATION, INC.	11/29/2001		
	WO 01/95815 A1	XY INC.	12/20/2001		
	WO 02/19943 A1	UNIVERSITEIT GENT	3/14/2002		
	WO 02/28311 A2	XY INC.	4/11/2002		
	WO 02/43486 A1	XY INC.	6/6/2002		
	WO 02/43574 A2	XY INC.	6/6/2002		
	WO 04/009237 A2	XY, Inc.	1/29/2004		
	WO 04/012837 A2	XY, Inc.	2/12/2004		
	WO 04/017041 A2	XY INC.	2/26/2004		
	WO 04/024227 A2	XY, Inc.	3/25/2004		
	WO 04/104178 A2	XY, Inc.	12/2/2004		
	WO 2004/087177 A1	Monsanto Technology LLC	10/14/2004		
	WO 2004/088283 A2	Monsanto Technology LLC	10/14/2004		
	WO 01/40765 A3 (search report)	XY.INC	06/07/2001		
	WO 04/017041 A3 Search Report	XY INC.	2/26/2004		
	WO 04/012837 A3 Search Report	XY, Inc.	2/12/2004		
	WO 04/009237 A3	XY, Inc.	1/29/2004		
	EP 606847 A2	National Institute of Animal Husbandry (JP)	7/20/1994		
	WO 2005/095960 A1	Ludwig, C.	10/13/2005		

Q1	WO 2005/095590 A2	Ludwig, C	10/13/2005		
	WO 2005/094852 A2	Graham, J.	10/13/2005		
	WO 02/41906 A2	Pharmacia Corporation	05/30/2002		
	WO 2004/059282 A2	Nagappan, M.	7/15/2004		
	WO 2004/003697 A2	Monsanto Technology LLC	10/8/2004		
J	WO 2004/104178 A3	XY, Inc.	12/2/2004		

III. OTHER REFERENCES

EXAMINER INITIAL	Document
CM	Australian Patent Application No. 2001269795; Examination Report dated April 28, 2005
	New Zealand patent Applicatin No. 523569; Examination Report dated March 5, 2004
	New Zealand patent Applicatin No. 523569; Examination Report dated September 22, 2005
	New Zealand patent Applicatin No. 523569; Notice of Acceptance of Application ated November 2, 2005
	Abdel-Ghaffar, A. E., et al., "Rabbit Semen Metabolism" in Rabbit Production in Hot Climates" Baselga and Marai (eds); International Conference of Rabbit Production in Hot Climates 1994, p305-312
	Amann, R.P. "Fertilizing Potential Vitro of Semen from Young Beef Bulls Containing a High or Low Percentage of Sperm with a Proximal Droplet" Theriogenology 54: 1499-1515, 2000
	Amann, Rupert P. "Cryopreservation of Sperm" 1999, Encyclopedia of Reproduction 1:733-783
	Amoah, E. A. and Gelaye, S., "Biotechnological Advances in Goat Reproduction", J. Anim. Sci. 75(2): 578-585. (1996)
	Arriola, J. and Foote, R.H.: "Glycerolation and Thawing Effects on Bull Spermatozoa frozen in Detergent-Treated Egg Yok and Whole Egg Extenders," J Dairy Sci, 70:1664-1670 (1987) <i>Abstract only</i>
	Asbury, Charles A. "Fluorescence Spectra of DNA Dyes Measured in a Flow Cytometer," University of Washington 02/19/1996
	Bakker Schut, Tom C. "A New Principle of Cell Sorting by Using Selective Electroportation in a Modified Flow Cytometry," University of Twente, 03/10/1990.
	Batellier, F. et al., "Advances in Cooled Semen Technology" Animal Reproduction Science 68 p. 181-190 (2001)
	Behrman, S. J., et al., "Freeze Preservation of Human Sperm" American Journal of Obstetrics and Gynecology Vol. 103 (5) p. 654-664 March 1, 1969
	Beyhan, Z., Et Al., 1999 Sexual Dimorphism In IVM-IVF Bovine Embryos Produced from X and Y Chromosome-Bearing Spermatozoa Sorted By High Speed Flow Cytometry. Theriogenology. 52: 35-48
	BigosBigos, Martin "Nine Color Eleven Parameter Immunophenotyping Using Three Laser Flow Cytometry," Stanford University 12/22/1998.
	Bioxcell, Bovine Sperm Preservation, Advertisement 06/28/2005
	Braun, J. et al, "Effect of Different Protein Supplements on Motility and Plasma Membrane Integrity of Frozen- Thawed Stallion Spermatozoa", Cryobiology (1995) 32:487-492
	Buchanan, B.R. " Pregnancy Rates in Mares Following a Single Insemination with a Low Number of Spermatozoa into the Tip of the Uterine Horn" Theriogenology Page 395
	Cave-Penney, Tony, "Sexed Semen Offers Faster Genetic Gain", Farming News, Livestock Supplement, February 1997, p. 28.
	Celestron: Telescope Basics: www.celestron.com/tb-2ref/htm ; 4 pages
	Chandler, J. E., "Videomicroscopic Comparison of Bull Sperm and Leukocyte Chromosome Areas as Related to Gender", J Dairy Sci 73, p. 2129-2135. 1990
	Chandler, J. E., et al, "Bovine Spermatozoal Head Size Variation and Evaluation of a Separation Technique Based on this Size", Therio. 52, p. 1021-1034. 1999
	Chen, S.H. " Effects of Oocyte Activation and Treatment of Spermatozoa on Embryonic Development Following Intracytoplasmic Sperm Injection in Cattle" Theriogenology 48: 1265-1273, 1997

C	Chen, Y. et al., Survival of Bull Spermatozoa Seeded and Frozen at Different Rates in Egg Yolk-Tris and Whole Milk Extenders, 1993 J Dairy Sci 76:1028-1034
	Choi, Y.H. "Developmental Capacity of Equine Oocytes Matured and Cultured in Equine Trophoblast-Conditioned Media" Theriogenology 56: 320-339, 2001
	Cran, D. G., et al., "Sex Preselected in Cattle: A Field Trial", Veterinary Record 136, 1995, p. 495-496
	Cran, D. G., et al., "The Predetermination of Embryonic Sex Using Flow Cytometrically Separated X and Y Spermatozoa" Human Reproduction Update 1996, Vol. 2 (4) p. 355-63
	Cui, K. et al, "X Larger than Y", Nature 366, p. 177-118, 1993
	Cui, K., "Size Differences Between Human X and Y Spermatozoa and Prefertilization Diagnosis", Molecular Human Reproduction, Vol. 3, No. 1, pp. 61-67. 1997
	da Silva, Coutinho M.A.. "Effect of time of oocyte collection and site of insemination on oocyte transfer in mares." Animal Reproduction and Biotechnology Laboratory, Colorado State University, Fort Collins Journal of Animal Science 2002. 80:1275-1279
	DakoCytomation, "MoFlo® Sorters" http://www.dakocytomation.us/prod_productrelatedinformation?url=gprod_moflo_index.htm one page, printed 06/26/2003
	Database up 1 BR9704313 (Alves, De Resende et al) 06/04/1999 <i>abstract</i>
	de LEEUW, F.E. et al." Effects of various cryoprotective agents and membrane-stabilizing compounds on bull sperm membrane integrity after cooling and freezing" CRYOBIOLOGY US, ACADEMIC PRESS INC 1993 PP. 32-44
	Denk, Winfried. "Two-Photon Molecular Excitation in Laser-Scanning Microscopy," Handbook of Biological Confocal Microscopy. 1995
	Dippert, K.D. "Fertilization Rates in Superovulated and Spontaneously Ovulating Mares" Theriogenology 41: 1411-1423, 1994
	Dresser D.W. et al. Analysis of DNA content of living Spermatozoa Using Flow Cytometry Technique" Journal of Reproduction and Fertility, 1993, vol. 98, pp 357-365
	Foote, et al. Motility and Fertility of Bull Sperm Frozen-Thawed Differently in Egg Yolk and Milk Extenders Containing Detergent, 1987 J Dairy Sci 70:2642-2647
	Foote, R.H., "Buffers and Extenders: What Do They Do? Why Are They Important?" Proc of the NAAB Tech. Conf. On Artificial Insemination and Reproduction, 62-70 (1984)
	Francon, M. and Yamamoto, T., "Un Nouveau et tres simple dispositif interferentiel applicable as microscope" Optica Acta 9, p. 395-408. 1962
	Fuller, Robert R. "Characterizing Submicron Vesicles With Wavelength-Resolved Fluorescence in Flow Cytometry," University of Illinois, 05/13/1996.
	Ginther, O. J., "Some Factors Which Alter Estrus Cycle in Mares." J. Anim. Sci. 33:1158. 1971 abstr.
	Goppert-Mayer, "Über Elementarakte mit zwei Quantensprungen Von Maria Copper -Mayer"
	Gottlinger et al., "Operation of a Flow Cytometer", Flow Cytometry and Cell Sorting, A. Radbruch (Ed.), 1992, pages 7-23.
	Graham, J. "Analysis of Stallion semen and its Relation to Fertility. ABSTRACT Complete article from Reproductive Technology Vol. 12 # 1 April 1996 now included in XYIDS000213
	Graham, J.K. and Hammerstedt, R.H.: "Differential Effects of Butylated Hydroxytoluene Analogs on Bull Sperm Subjected to Cold-Induced Membrane Stress," Cryobiology, 29:106-117 (1992)
	Graham, James K., "Effect of Cholesterol-Loaded Cyclodextrins in Semen Extenders", Proceedings of the 19th Technical Conference on Artificial Insemination & Reproduction, 2003, pp. 91-95.
	Hamamatsu, "Technical Information, Optical Detector Selection: A Delicate Balancing Act", web page, http://www.optics.org/hamamatsu/photodiode.html , printed on 4/15/00, 6 pages total.

CM	Hammerstedt, et al., "Cryopreservation of Mammalian Sperm: What We Ask Them to Survive," Journal of Andrology, 11:1:73-88 (1990) <i>abstract only</i>
	Herweijer, Hans. "High-Speed Photodamage Cell Selection Using Bromodeoxyuridine/Hoechst 33342 Photosensitized Cell Killing," 09/23/1987.
	Herzenberg, Leonard A. "Flourescence-activated Cell Sorting," pages 108-117.
	Hofferer, S., et al. "Induction of Ovulation and Superovulation in Mares Using Equine LH and FSH Separated by Hydrophobic Interaction Chromatography." J. Reprod. Fertil. 98:597-602. 1993
	Horan, Paul K. "Quantitative Single Cell Analysis and Sorting, Rapid Analysis and sorting of cells is emerging as an important new technology in research and medicine."
	Howard, J. G., et al., "Comparative Semen Cryopreservation in Ferrets (<i>Mustela putorius furo</i>) and Pregnancies After Laparoscopic Intrauterine Insemination With Frozen-Thawed Spermatozoa." J. Reprod. Fertil. 92:109-118. 1991
	IMV Technologies, Protocol of Bioxcell with Fresh Semen, 1 page, 2000
	IMV Technologies, Protocol of Bioxcell with Frozen Semen, 2 pages, 2000
	Iwazumi, Y., et al., "Superovulation Using CIDR in Holstein Cows" J. of Reprod. Dev. Vol. 40 (3) 1994, pp259-66
	Jakubiczka, S. et al. "A Bovine Homologue of the Human TSPY Gene." Genomics. 1993, Vol 17, No. 3, pp 732-735
	Jasko, D. J., et al., "Pregnancy Rates Utilizing Fresh, Cooled and Frozen-Thawed Stallion Semen", American Association of Equine Practitioners 38th Annual Convention Proceedings, 1992, p. 649-60
	Johnson, L.A., "Gender Preselection in Humans? Flow Cytometric Separation of X and Y Spermatozoa for the Prevention of X-Linked Diseases" Human Reproduction vol.8 no.10, p. 1733-1739 (1993)
	Johnson, L.A., "Successful Gender Preselection in Farm Animals", Agricultural Biotechnology, p. 439-452. (1998)
	Kinoshita, Shuichi. "Spectroscopic Properties of Fluorescein in Living Lymphocytes," Osaka University 08/07/1986.
	Kobata, Akira, "Structures and Functions of the Sugar Chains of Human Chorionic Gonadotropin", in <u>Glycoprotein Hormones</u> , Chin, W.W. and Boime, I., eds. Sero Symposia, Norwell, MA. p. 19-20. 1990
	Kommisrud E., et al. "Comparison of Two Processing Systems for Bull Semen with Regard to Post-Thaw Motility and Nonreturn Rates." Theriogenology, Vol. 45, 1996, pp 1515-1521
	Lightwave Electronics, "Xcyte," www.LightwaveElectronics.com
	Liu, Z, et al. "Survival of Bull Sperm Frozen at Different rates in Media Varying in Osmolarity." Cryobiology, Vol. 27, 1998, pp 219-230
	Lu, K. H. et al., "In Vitro Fertilization of Bovine Oocytes with Flow-Cytometrically Sorted and Unsorted Sperm from Different Bulls" Therio. abstr.
	Manni, Jeff. "To-Photon Excitation Expands the Capabilities of Laser-Scanning Microscopy,"
	Manning, S.T., et al., "Development of Hysteroscopic Insemination of the Uterine Tube in the Mare", Proceedings of the Annual Meeting of the Society for Theriogenology, 1998, p. 84-85.
	Martinez, E. A., et al., "Successful Low-Dose Insemination by a Fiberoptic Endoscope Technique in the Sow", Proceedings Annual Conference of the International Embryo Transfer Society, Netherlands, Therio. Vol. 53 p. 201, January 2000
	Mauleon, P. "Recent research related to the physiology of puberty." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . (1975)
✓	Maxwell, W. M. C., et al., "The Relationship Between Membrane Status and Fertility of Boar Spermatozoa After Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma" Reprod. Fertil. Dev. Vol. 10 p. 433-40 (1998)

CM	Maxwell, W. M. C., et al., "Viability and Membrane Integrity of Spermazota after Dilution and Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma." <i>Reprod. Fertil. Dev.</i> 8:1165-78. (1997)
	McLeod, John H., "The Axicon: A New type of Optical Element", <i>Journal of the Optical Society of America</i> , Vol. 44 No. 8, August 1954, Eastman Kodak Company, Hawk-Eye Works, Rochester, New York.
	Melamed et al, "An Historical Review of the Development of Flow Cytometers and Sorters", 1979, pp. 3-9
	Mendes Jr., J.O.B. "Effect of heparin on cleavage rates and embryo production with four bovine sperm prepration protocols" <i>Theriogenology</i> 60 (2003) 331-340
	Menke, E. A Volume Activated Cell Sorter <i>Journal of Histo chemistry and Cyto Chemistry</i> , 1977, vol. 25, No. 7, pp 796-803
	Melezeau P. et al. Improvement of Flow Cytometry Analysis and Sorting of Bull Spermatozoa by Optical Monitoring of Cell Orientation as Evaluated by DAN Specific Probing" <i>Molecular Reproduction and Development</i> , 1991, vol. 30 pp 250-257
	Moran, D. M. et al., "Determination of Temperature and Cooling Rate Which Induce Cold Shock in Stallion Spermatozoa", <i>Therio.</i> Vol. 38 p. 999-1012 (1992)
	Mullis, K. B. and F. A. Faloona, "Specific Synthesis of DNA in Vitro Via a Polymerase-Catalyzed Chain Reaction" <i>Methods in Enzymology</i> Vol. 155 p. 335-350 (1978)
	O'Brien, Justine K. et al., "Preliminary Developments of Sperm Sorting Technology in Non-human Primates", <i>Biology of Reproduction</i> 2001(Su.;1) 64:158.
CM	Olive, M.D., "Detection of Enterotoxigenic Escherichia coli after Polymerase Chain Reaction Amplification with a Tehrmstable DNA Polymerase", <i>J of Clinical Microbiology</i> , Feb 1989 p. 261-265
	Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyaastvennoi Literatury, 1961, pp. 350-361 and pp. 380-393
CM	Patterson, D. J., et al., "Estrus Synchronization with an Oral Progestogen Prior to Superovulation of Postpartum Beef Cows" <i>Therio.</i> 48, 1025-33 (1997)
	Penfold, L.M. et al., "Comparative Motility of X and Y Chromosome-Bearing Bovine Sperm Separated on the Basis of DNA Content", <i>Mol. Reprod. And Develop.</i> 1998, Vol 50, pp 323-327.
	Picket B.W., et al., "Livestock Production Science," 1998
	Pickett, B. W., et al., "Influence of Seminal Additives and Packaging Systems on Fertility of Bovine Spermatozoa." <i>J: Anim. Sci. Suppl.</i> 11. 47:12. (1978)
	Pickett, B. W., et al., "The Effect of Extenders, Spermatozoal Numbers and Rectal Palpation on Equine Fertility." <i>Proc. Fifth N.A.A.B Tech. Conf. A. I. Reprod. Columbia, MO.</i> pp. 20-22. (1974)
	Pinkel et al., "Flow Chambers and Sample Handling", <i>Flow Cytometry: Instrumentation and Data Analysis</i> , Van Dilla et al. (Eds.), 1985, pp. 77-128
	Pinkel, D., et al, "Flow Cytometric Determination of the Proportions of X- and Y- Chromosome-Bearing Sperm in Samples of Purportedly Separated Bull Sperm", <i>J. of Anim. Sci.</i> , Vol. 60, p 1303 - 1307 (1998)
	Pinkel, D., et al., "Sex Preselection in Mammals? Separation of Sperm Bearing the Y and "O" Chromosomes in the Vole <i>Microtus Oregoni</i> ", <i>Science</i> Vol. 218 p. 904 (1982)
	Piston, D.W. "Three-dimensionally resolved NAD(P)H cellular metabolic redox imaging of the in situ cornea with two-photon excitation laser scanning microscopy," <i>Journal of Microscopy</i> , Vol. 178, 11/29/1994.
	Polge, et al, "Revival of Spermatozoa After Vitrification and Dehydration at Low Temperatures," <i>Nature</i> , 164:666 (1994)
CM	Preza, C. et al, "Determination of Direction-Independent Optical Path-Length Distribution of Cells Using Rotational-Diversity Transmitted-Light Differential Interference Contrast (DIC) Images", Presented at the Multidimensional Microscopy: Image Acquisition and Processing V, p. 1-11 (1998)
	Prokofiev M.I. Regulyatsia Razmnozhenia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195

CM	Province, C.A., et al., "Cooling Rates, Storage, Temperatures and Fertility of Extended Equine Spermatozoa" Therio. Vol. 23 (6) p.925-934, June 1985
	Pursel, et al., "Effect of Orvus ES Paste on Acrosome Morphology, Motility and Fertilizing Capacity of Frozen-Thawed Boar Sperm," Journal of Animal Science, 47:1:198-202 (1978)
CM	Rathi, R. et al., "Evaluation of In Vitro Capacitation of Stallion Spermatozoa", Biology of Reproduction 2001, Vol. 65, pp. 462-470
	Recktenwald, Diether. "Cell Separation Methods and Applications," New York 1997.
	Rigby, S. L., et al., "Pregnancy Rates in Mares Following Hysteroscopic or Rectally-Guided Utero-Tubal insemination with Low Sperm Numbers" Abstracts/Animal Reproduction Science Vol. 68 p.331-333 (2001)
	Riggs, B.A. "Integration of Early Weaning and Use of Sexed Semen in a Single-Calf Heifer System to Increase Value of Non-Replacement Heifers" MS Thesis, Colorado State University, Spring 2000
	Romero-Arredondo, A. "Effects of Bovine Follicular Fluid on Maturation of Bovine Oocytes" Theriogenology 41: 383-394, 1994
	Romero-Arredondo, A. "Effects of Follicular Fluid during In Vitro Maturation of Bovine Oocytes on In Vitro Fertilization and Early Embryonic Development" Biology of Reproduction 55, 1012-1016 1996
	Schiewe, M. C., et al., "Transferable Embryo Recovery Rates Following Different Insemination Schedules in Superovulated Beef Cattle" Therio. 28 (4) October 1997, pp. 395-406
	Seidel, G. E. Jr. "Cryopreservation of Equine Embryos" Veterinary Clinics of North America: Equine Practice Vol. 12, Number 1, April 1996
	Seidel, G. E. Jr. "Sexing Bovine Sperm" The AABP Proceedings - Vol 34
	Seidel, G. E. Jr. "Sexing mammalian spermatozoa and embryos-state of the art" Journal of Reproduction and Fertility Supp 54, 477-487 1999.
	Seidel, G. E. Jr et al., "Current Status of Sexing Mammalian Spermatozoa," Society for Reproduction and fertility, pp 733-743, 2002
	Seidel, G. E. Jr., "Commercializing Reproductive Biotechnology - The Approach used by XY, Inc.," Theriogenology, p. 5, 1999
	Seidel, G. E. Jr., et al, "Sexing Mammalian Sperm - Overview", Therio. 52: 1267-1272, (1999)
	Seidel, G. E. Jr., et al., "Artificial Insemination of Heifers with Cooled, Unfrozen Sexed Semen", Therio, Vol. 49 pp. 365 (1998) abstr.
	Seidel, G. E. Jr., et al., "Insemination of Heifers with Sexed Frozen or Sexed Liquid Semen." Therio. 51. (in press) (1999) abstr.
	Seidel, G. E. Jr., "Economics of Selecting for Sex: The Most Important Genetic Trait, Theriogenology 59, (2003), pp 585-598.
	Shabpareh, V. "Methods for Collecting and Maturing Equine Oocytes in Vitro " Theriogenology 40: 1161-1175, 1993
	Shapiro, Howard M. MD., PC. "Practical Flow Cytometry Third Edition," New York 1994.
	Sharpe, J.C., et al., "A New Optical Configuration for Flow Cytometric Sorting of Aspherical Cells" Horticulture and Food Research Institute of New Zealand Ltd., Hamilton, New Zealand (PNS) 11-02 1997 ABSTRACT
	Sharpe, Johnathan, Thesis; "An Introduction of Flow Cytometry", Ch. 2-2.2, 1997
	Shelton, J. N. and Moore, N.W. "The Response of the Ewe to Pregnant Serum Mare Gonadotropin and to Horse Anterior Pituitary Extract." J. Reprod. Fertil. 14:175 - 177. (1967)
✓	Skogen-Hagenson, M. J. et al; "A High Efficiency Flow Cytometer," The Journal of Histochemistry and Cytochemistry, Vol. 25, No. 7, pp. 784-789, 1977, USA
CM	Smith, R. L., et al, "Influence of Percent Egg Yolk during Cooling and Freezing on Survival of Bovine Spermatozoa" Therio. 52: 1267-1272, (1999)
	Sotberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346

C7	Spectra Physics, The Solid State Laser Company, "Vanguard 4 Watts of UV from a Quasi-CW, All Solid State Laser," http://www.splasers.com/products/isl_products/vanguard.html three pages, printed 14 Nov 2002
	Spectra-Physics Products, "Fcbar" http://www.splasers.com/products/oem_products/ov_fcbar.html two pages printed 14 Nov 2002
	Spectra-Physics, The Solid State Laser Company, "Vanguard 2000-HMD 532, www.spectra-physics.com
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, www.spectra-physics.com
	Staigmiller, R.B. "Superovulation of Cattle with Equine Pituitary Extract and Porcine FSH" <i>Theriogenology</i> 37: 1091-1099 1992
	Stap J. Et al "Improving the Resolution of Cryopreserved X- and Y- Sperm During DNA Flow Cytometric Analysis with the Addition of Percoll to quench the Fluorescence of Dead Sperm: Academic Medical Center, University of Amsterdam (1998) <i>Journal of Animal Science</i> vol 76 1998, pp, 1896-1902
	Steinkamp: "Flow Cytometry" vol.55, no. 9, Sept. 1984 pp 1375-1400, New York Review of Scientific Instruments ABSTRACT ONLY
	Stovel R.T. A Means for Orienting Flat Cells in flow systems <i>Biophysical Journal</i> , 1978, vol.23, pp 1-5
	Sumner, A. T. and Robinson, J. A., "A Difference in Dry Mass Between the Heads of X and Y-Bearing Human Spermatozoa", <i>J Reprod Fertil.</i> 48, p. 9-15 (1976)
	Swenson, S. L., et al., "PRRS Virus Infection in Boars: Isolation From Semen and Effect on Semen Quality" from the 1995 Research Investment Report, Iowa State University, Veterinary Clinical Sciences, Iowa State University
	Thun, Rico, et al., "Comparison of Biociphos-Plus® and TRIS-Egg Yolk Extender for Cryopreservation of Bull Semen; <i>Theriogenology Symposium</i> , December 1999, vol 52, #8
	Time-Bandwidth Products "GE - 100 - XHP", www.tbsp.com , 2 pages, Jan. 2002.
CM	Van Dilla, Martin, "Overview of Flow Cytometry: Instrumentation and Data Analysis", <i>Flow Cytometry: Instrumentation and Data Analysis</i> , Van Dilla et al. (Eds.), 1985, pp. 1-8
CM	van Munster, E. B., "Geslachtsbepaling met interferometrie", Derde prijs NivN-prijsvraag voor pas-gepromoveerden 65/4, (Sex Determination with Interferometry) p. 95-98 (1999)
CM	Vogel, T., et al, "Organization and Expression of Bovine TSPY", <i>Mammalian Genome</i> , vol. 8, pp. 491-496 (1997)
	Watson, "Recent Developments and Concepts in the Cryopreservation of Spermatozoa and the Assessment of Their Post-Thawing Function," <i>Reprod. Fertil. Dev.</i> 7:871-891 (1995) ABSTRACT
	Wheeler, T. L., et al., "Effect of Marbling Degree on Beef Palatability in Bos-taurus and Bos-indicus cattle." <i>J. Anim. Sci.</i> 72:3145. (1994)
✓	Wilhelm, K.M. et al, "Effects of Phosphatidylserine and Cholesterol Liposomes on the Viability, Motility, and Acrosomal Integrity of Stallion Spermatozoa Prior to and after Cryopreservation", <i>Cryobiology</i> 33:320, 1996.
CM	Wilson, D. E. et al., "Mammal Species of the World", Smithsonian Institution Press, 1993, 1206 pp.
CM	Windsor, D. P., et al, "Sex Predetermination by Separation of X and Y Chromosome-bearing Sperm: A Review", <i>Reproduction of Fertilization and Development</i> 5, pp. 155-171, (1993)
—	Wintzer Et al.: "Krankheiten des Pferdes - Ein Leitfaden für Studium und Praxis," 1982, nParey, Berlin Hamburg XP002281450
CM	Zhou, Hongwei, et al. "Research on and Development of Flow Cell Sorting Apparatuses," <i>Gazette of Biophysics</i> , Vol 13, ed. 3, 1997 <i>translated abstract</i>
CM	Hamamatsu, "Photomultiplier Tubes," web page, http://www.optics.org/hamamatsu/pmt.html . Printed on 4/15/00 4

Can	Seidel, G. E. Jr., "Fertility of Bulls on the Edge of the Dose-Response Curve for Numbers of Sperm per Inseminate"; Proceedings of the 17th Technical conference on Artificial Insemination & Reproduction, 1998
1	Hollinshead, F.K. et al. "In vitro and in vivo assessment of functional capacity of flow cytometrically sorted ram spermatozoa after freezing and thawing." Reprod. Fertil. And Develop. 2003. Vol 15, pp 351-359
	Hollinshead F. K. et al. "Production of lambs of predetermined sex after the insemination of ewes with low numbers of frozen-thawed sorted X- or Y- Chromosome-bearing spermatozoa", Reprod. Fertil. And Develop. 2002, vol. 14, pp 503-508
	Hollinshead F. K. et al. "Sex-Sorting and Re-cryopreservation of Frozen-Thawed Ram Sperm for In Vitro Embryo Production" Theriogenology , Vol. 59. (2003) pp. 209
	Dhali et al. Vitrification of Buffalo (Bubalus Bubalis)Oocytes, Embryo Theriogenology Vol 53, pp 1295-1303 (2000)
	Borini et al. Cryopreservation of Mature Oocytes: The use of a trypsin inhibitor enhances fertilization and obtained embryos rates, Fertil. Steril. (1997), Vol 68 (Suppl.)
	Hamamatsu Photonics K.K. Electronic Tube Center, Photomultiplier Tubes, Brochure Dec. 1997
	Johnson, L. A., et al. The Beltsville Sperm Sexing Technology: High-speed sperm sorting gives improved sperm output for In Vitro fertiliation and AI, Journal of Animal Science, Vol. 77, Suppl 2/J, Dairy Sci. Vol. 82, Suppl. 2/1999 pp 213-220
	Peters D., The LLNL high-speed sorter: Design features, operational characteristics, and biooical utility, Cyometry, 6:290-301 (1985)
	Rens W., et al Slit-scan flow cytometry for consistent high resdolution DNA analysis of X- and Y- chromosome bearing sperm, Cytometry 25:191-199 (1996)
	van Munster, E. B. Interferometry in flor to sort unstained X- and Y-Chromosome-Bearing Bull Spermatozoa, Cytometry 47:192-199 (2002)
	Scmid, R. L., et al. Effects of follicular fluid or progesterone on <i>in vitro</i> maturation of equine oocytes before intracytoplasmic sperm injection with non-sorted and sex-sorted spermatozoa, Journal of Reproduction and Fertility 56:519-525, 2000
	Brink, Z et al. A reliable procedure for superovulating cattle to obtain zygotes and early emryos for microinjection, Theriogenology Vol. 41, p 168, (1994)
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, User's Manual, December 2002
	Photon, Inc. Light Measuring Solutions, NanoScan for High-powered beam Applications, 2005
	Fluorescence Lifetime Systems, www.picoquant.com, 1/28/2005 pp 2
	NCI ETI Branch, Flow CytometryCore Laboratory, http://home.ncifcrf.gov/ccr/flowcore/ndyag.htm , pp 5, 5/11/2004
	NCI ETI Branch, Flow CytometryCore Laboratory, http://home.ncifcrf.gov/ccr/flowcore/lrll.htm , pp 14, 5/11/2004
	Sacke, R.G., Can Spermatozoa with abnormal heads gain access to the ovum in artificially inseminated super- and single-ovulating cattle?, Theriogenology 50:117-128. 1998.
	Hawk, H.W., Gamete Transport in the Superovulated Cow. Theriogenology: January 1998 Vol. 29 No.1 pp.125-142
	Blecher, S.R., et al. A new approach to immunological sexing of sperm, Theriogenology, 59, pp. 1309-1321, 1999 Vol.
↓	Wheeler, M. B., et al. Application of sexed semen technology to in vitro embryo production in cattle, Theriogenology, Vol 65 (2006) 219-227

CM	Garverick, H. A., et al. mRNA and protein expression of P450 aromatase (AROM) and estrigen receptors (ER) α and β during early development of bovine fetal ovaries; The society for the study of reproduction 38th annual meeting July 24-27, 2005; Abstract only
I	Bodmer, M., et al., Fertility in heifers and cows after low does insemination with sex-sorted and non-sorted sperm under field conditions; Theriogenology, Vol 64, (2005) 1647-1655
I	Schenk J. L., et al. Embryo production from superovulated cattle following insemination of sexed sperm, Theriogenology, 65 (2006) 299-307
I	Garner, D. L., Flow cytometric sexing of mammalian sperm, Theriogenology, (2006) pp 15
CM	Habermann F. A., et al., Validation of sperm sexing in the cattle (Bos taurus) by dual colour fluorescence in situ hybridization; J Anim Breed Genet. 2005 Apr; 122 Suppl 1:22-7 (Abstract only)
EXAMINER: <u>Carlo Myers</u> DATE CONSIDERED <u>3-27-06</u>	
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	